Application No. 10/568,597

Amendment dated January 22, 2007

Reply to Office Action of September 22, 2006

AMENDMENTS TO THE CLAIMS

Docket No.: 3273-0220PUS1

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

 (Currently Amended) A process for producing an N,N',N"-trisubstituted isocyanuric acid, comprising the step of:

heating an N-substituted carbamic acid derivative represented by following Formula (1):

$$\begin{array}{ccc}
H & O \\
I & II \\
RO - N - C - Z
\end{array} \tag{1}$$

wherein R is a hydroxyl-protecting group; and Z is a group represented by following Formula (2) or (3):

wherein R' is a hydrocarbon group or a heterocyclic group having a carbon atom at the bonding site with the adjacent oxygen atom,

wherein the heating step is carried out at a temperature in a range of 95°C to 145°C [[where]] when Z is the group represented by Formula (3),

to thereby form an N,N',N"-trisubstituted isocyanuric acid represented by following Formula (4):

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wherein R has the same meaning as defined above.

 (Original) A process for producing an N,N',N"-trisubstituted isocyanuric acid, comprising the step of heating an O-substituted hydroxylamine represented by following Formula (C):

wherein R is a hydroxyl-protecting group, or a salt thereof with (I) a compound represented by following Formula (A) or a compound represented by following Formula (B):

wherein X is a halogen atom; and Y is NH₂ or OR' wherein R' is a hydrocarbon group or a heterocyclic group having a carbon atom at the bonding site with the adjacent oxygen atom, or with (II) dimethyl carbonate, urea or phosgene, and a hydroxy compound represented by following Formula (D):

wherein R' has the same meaning as defined above to thereby form an N,N',N"-trisubstituted isocyanuric acid represented by following Formula (4):

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$$\begin{array}{ccc}
RO & & & & \\
0 & & & & \\
N & & & & \\
RO & & & & \\
\end{array}$$
(4)

wherein R has the same meaning as defined above.

 (Original) A process for producing an N,N',N"-trisubstituted isocyanuric acid, comprising the steps of reacting a carbonyldiimidazole represented by following Formula (5):

with an O-substituted hydroxylamine represented by following Formula (6):

wherein R is a hydroxyl-protecting group, or a salt thereof, and further heating at a temperature in a range of 95°C to 145°C,to thereby form an N,N',N"-trisubstituted isocyanuric acid represented by following Formula (4):

$$\begin{array}{ccc}
RO & O & O \\
O = & N - OR & (4)
\end{array}$$

wherein R has the same meaning as defined above.

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 (Original) The process for producing an N,N',N"-trisubstituted isocyanuric acid according to any one of claims 1 to 3, wherein the reaction is carried out in the presence of a base.

- (Currently Amended) The process for producing an N,N',N"-trisubstituted isocyanuric acid according to claim 1, wherein R is an arylmethyl group which may be is optionally substituted.
- 6. (Currently Amended) The process for producing an N,N',N"-trisubstituted isocyanuric acid according to claim 1 or 2, wherein R' is an aromatic eyelie hydrocarbon group or aromatic heterocyclic group which may be wherein each group is optionally substituted.
- (Original) A process for producing an N,N',N"-trisubstituted isocyanuric acid, comprising the step of purifying an N,N',N"-trisubstituted isocyanuric acid represented by following Formula (4):

wherein R is a hydroxyl-protecting group by at least one purification means selected from crystallization, repulping and washing, with the use of an alcohol-containing solvent.